

# Comparisons of Job Characteristics

Focus Occupation: **Geographers (19-3092)**

Associated Occupation: **Anthropologists and Archeologists (19-3091)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Geographers (19-3092)

Associated Occupation: Anthropologists and Archeologists (19-3091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Sociology and Anthropology	4.1	24.5	15.2	<< Extensive education and/or training may be required
History and Archeology	2.6	21.9	10.7	<< Extensive education and/or training may be required
English Language	11.2	19.8	17.2	< Expanded education and/or training may be required
Geography	3.9	16.4	24.8	>> Current knowledge level is likely more than sufficient
Education and Training	9.2	15.4	14.0	0 Current knowledge level may be sufficient
Philosophy and Theology	3.2	12.3	9.3	<< Extensive education and/or training may be required
Foreign Language	2.7	11.9	7.4	<< Extensive education and/or training may be required
Communications and Media	5.3	10.7	7.5	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Geographers (19-3092)

Associated Occupation: Anthropologists and Archeologists (19-3091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Science	4.5	16.4	13.8	< A higher skill level may be required
Reading Comprehension	10.7	16.3	15.1	0 Current skill level may be sufficient
Critical Thinking	10.8	15.5	12.9	< A higher skill level may be required

Writing	9.2	15.5	15.5	0	Current skill level may be sufficient
Speaking	10.8	15.2	13.5	<	A higher skill level may be required
Active Listening	11.0	14.4	12.6	<	A higher skill level may be required
Active Learning	8.7	12.8	12.3	0	Current skill level may be sufficient
Complex Problem Solving	9.1	12.2	11.8	0	Current skill level may be sufficient
Systems Analysis	6.5	10.2	11.6	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 96			
Focus Occupation: Geographers (19-3092)					
Associated Occupation: Anthropologists and Archeologists (19-3091)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Inductive Reasoning	10.2	16.3	13.5	<	Some improvement in abilities may be required
Oral Expression	12.4	16.2	15.7	0	Current ability level may be sufficient
Written Comprehension	11.0	16.2	14.4	<	Some improvement in abilities may be required
Oral Comprehension	12.5	15.9	14.9	0	Current ability level may be sufficient
Written Expression	9.8	15.8	15.2	0	Current ability level may be sufficient
Deductive Reasoning	10.6	14.7	12.8	<	Some improvement in abilities may be required
Near Vision	11.1	13.6	13.3	0	Current ability level may be sufficient
Category Flexibility	9.0	13.2	12.8	0	Current ability level may be sufficient
Flexibility of Closure	7.8	11.2	9.7	<	Some improvement in abilities may be required
Speed of Closure	5.9	9.8	4.9	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 82
Focus Occupation: Geographers (19-3092) Associated Occupation: Anthropologists and Archeologists (19-3091)		
Work Activities	Exclusivity of Activity	
Advise governmental or industrial personnel	28	
Analyze scientific research data or investigative findings	27	
Analyze social or economic data	63	
Classify plants, animals, or other natural phenomena	69	
Collect scientific or technical data	30	

Collect social or personal information	70
Collect statistical data	47
Communicate technical information	4
Compile information through interviews	68
Compile numerical or statistical data	38
Conduct field research or investigative studies	52
Confer with research personnel	50
Develop or maintain databases	30
Develop policies, procedures, methods, or standards	21
Develop scientific or mathematical hypotheses, theories, or laws	62
Develop tables depicting data	33
Direct and coordinate scientific research or investigative studies	27
Explain complex mathematical information	30
Interpret charts or tables for social or economic research	70
Make presentations	13
Plan scientific research or investigative studies	48
Prepare reports	8
Prepare technical reports or related documentation	22
Recognize interrelationships among individuals or social groups	74
Recommend further study or action based on research data	60
Use computers to enter, access or retrieve data	3
Use current social research	62
Use interviewing procedures	23
Use knowledge of investigation techniques	16
Use library or online Internet research techniques	21
Use mathematical or statistical methods to identify or analyze problems	30
Use quantitative research methods	35
Use relational database software	26
Use scientific research methodology	21
Use spreadsheet software	18
Use word processing or desktop publishing software	17
Write research or project grant proposals	33
Write scholarly or technical research papers	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 84

**Focus Occupation: Geographers (19-3092)**

**Associated Occupation: Anthropologists and Archeologists (19-3091)**

Tools and Technologies	Exclusivity
Audio and visual equipment	4
Cameras	2
Chemical evaluation instruments and supplies	10

Chromatographic measuring instruments and accessories	16
Computer data input devices	2
Computer printers	2
Computers	1
Content authoring and editing software	1
Crystallography equipment	23
Data management and query software	1
Drilling and workover rigs and equipment	47
Electrochemical measuring instruments and accessories	9
Forestry machinery and equipment	31
Geophysical and geotechnical instruments	23
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Laboratory centrifuges and accessories	13
Laboratory cooling equipment	25
Laboratory enclosures and accessories	17
Laboratory mixing and stirring and shaking equipment and supplies	19
Laboratory ovens and accessories	15
Laboratory sieves and sifting equipment and supplies	27
Land surveying instruments	19
Length and thickness and distance measuring instruments	2
Measuring and layout tools	3
Network applications software	1
Pipettes and liquid handling equipment and supplies	16
Power tools	2
Radar and sonar systems and components	24
Soil measuring equipment	20
Specialized and recreational vehicles	17
Spectroscopic equipment	10
Temperature and heat measuring instruments	6
Viewing and observing instruments and accessories	4
Weight measuring instruments	7

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.